

## ABSTRACT

A GUI is disclosed including a set of visualization routines designed to improve display, visualization and manipulation of multi-dimensional data. Many of the routines combine 2D and 3D renderings with domain selecting criteria and stacking criteria with line segments connecting variable values between records in a given dataset or between corresponding variable values in records of related datasets. The GUI also employs active, persistent and slider variables to probe variable relationships, group relationships and dataset relationships.

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